

SITE NUMBER: CW-R7-01
LOCAL NAME: Coppermine Bottom
WRIA:

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Clearwater **DATE:** 6/8/88 **OBSERVER:** Nettnin

CHANNEL TYPE: Wall based terrace trib. and ponds

TRIBUTARY TO: Clearwater River (21.0024)

SITE LOCATION: River mile - 16.9 R.B.

LEGAL DESCRIPTION:

	<u>UPPER END</u>	<u>LOWER END</u>
<u>DISSOLVED OXYGEN:</u>	N/A	12.0 mg/l (mouth)
<u>WATER TEMP.:</u>	50 F	50 F (River = 58 F)
<u>AIR TEMP.:</u>	56 F	55 F
<u>FLOW (CFS):</u>	40 to 60 gal/min	< 0.25

SUBSTRATE TYPE: Mostly silt & mud. Some gravel is visible.

SITE SIZE: **Length-** 500 - 550 m (partially estimated from photos)
 Width- 2 - 3 ft (excluding ponds)
 Depth- 2 - 4 inches. (excluding ponds)

WATER SOURCE: Terrace trib and springs.

DIRECTIONS TO SITE: Head north on Highway 101. Turn right 0.9 miles beyond mile post 146 onto the Clearwater Rd. Proceed north 4.5 miles until coming to mile post 25.5 (the first in a series of descending half mile markers). Continue north. Keep left as the road forks between MP 21.5 and 21.0 (just beyond Shale Creek). Turn right between M.P. 17.0 and 16.5 onto the Coppermine Bottom Campground road. (See site direction map).

FISH ACCESS AND CURRENT USE: Juvenile coho have good access and are currently using this area for summer and winter rearing. The Quinault tribe currently has a smolt trap about 50 m downstream of the main pond. This and previous years' catch data should be available.

FLOODING POTENTIAL: Moderate.

LANDOWNER: Unknown at this time but assume DNR and ITT Rayonier.

COMMENTS & RECOMMENDATIONS: CW-R7-01 enters the Clearwater at a shallow back eddy (2 - 3 ft deep) which allows for excellent access except during periods of low flow. The channel stays within well defined banks from the mouth upstream to an old road crossing (i.e. the lower 250 m). In the extreme lower end of this reach the channel is incised. It seems much more water was going into this system than was coming out. Several small springs (49 - 50 F) and a terrace trib were noted entering the ponded area. Only a trickle was seen leaving the pond.

SITE NUMBER: CW-R7-01
LOCAL NAME: Main Pond

POND DATA SUPPLEMENT

DATE: 6/8/88

INLET OUTLET

DISSOLVED OXYGEN: N/A 12.0 mg/l

WATER TEMPERATURE: 50 F 56 F

AIR TEMPERATURE: N/A N/A

POND SIZE:

LENGTH - Approx. 140 m (estimated from aerial photos)

WIDTH - Approx. 60 m (estimated from aerial photos)

DEPTH - 3 to 4 ft. .

WATER SOURCE: Terrace trib and springs.

FISH ACCESS & CURRENT USE: Fish have good access to this pond. 0+ coho were positively identified while larger fish were seen hitting the surface. The Quinault trib is currently operating a smolt trap below the pond. This catch data as well as catch data from previous years should be available.

TYPE & AMOUNT OF IN POND COVER: Some submerged logs and woody debris can be seen along the edges. About 50 % of the main pond is in saw grass. A few lily pads are also present. The remainder of the main pond is mostly open water.

COMMENTS: The ponded area of CW-R7-01 actually consists of a small, shallow upper pond (see separate pond data supplement) and the larger, deeper main pond. The main pond currently offers excellent coho rearing habitat. About 50 % of the pond is deep (to 4 ft), open water. The remainder is shallow and marshy. Deepening of these shallow areas with explosives may be feasible.

SITE NUMBER: CW-R7-01
LOCAL NAME: Upper Pond

POND DATA SUPPLEMENT

DATE: 6/8/88

INLET OUTLET

DISSOLVED OXYGEN: N/A N/A

WATER TEMPERATURE: 50 F N/A

POND SIZE:

LENGTH - Approx. 45 m

WIDTH - Approx. 45 m

DEPTH - 12 to 18 inches.

WATER SOURCE: Terrace trib and springs.

FISH ACCESS & CURRENT USE: No fish were observed in this pond but access appears unrestricted.

TYPE & AMOUNT OF IN POND COVER: This pond is virtually all in saw grass. There is very little open water.

COMMENTS: It may be possible to improve the quality of the habitat in the upper pond by diverting the flow from a spring, which currently enters the main pond, into the upper pond (See drawing). This should increase water depth and improve water movement in the upper pond. Deepening of the pond with explosives may also be feasible.

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Clearwater River

Channel No.: CW-R7-01

Site Name: Mule Pasture Pond

WRIA:

DATE: 8/2/88

OBSERVER: Nettnin

- 1.) The egress channel downstream of the main pond is now dry.
- 2.) The level of the main pond has dropped some 8 to 10 inches since the channel was originally surveyed in early June of 1988.
- 3.) There is still good spring action along the wall base near the upper end of the channel.
- 4.) A present flows there is a definite elevation difference between the water surfaces of the upper and main ponds. This is caused by the remains of an old beaver dam in the channel between the two ponds. This beaver dam was not noted during the original survey of this area. It may have been submerged when pond levels were higher.

DATE: 11/17.88

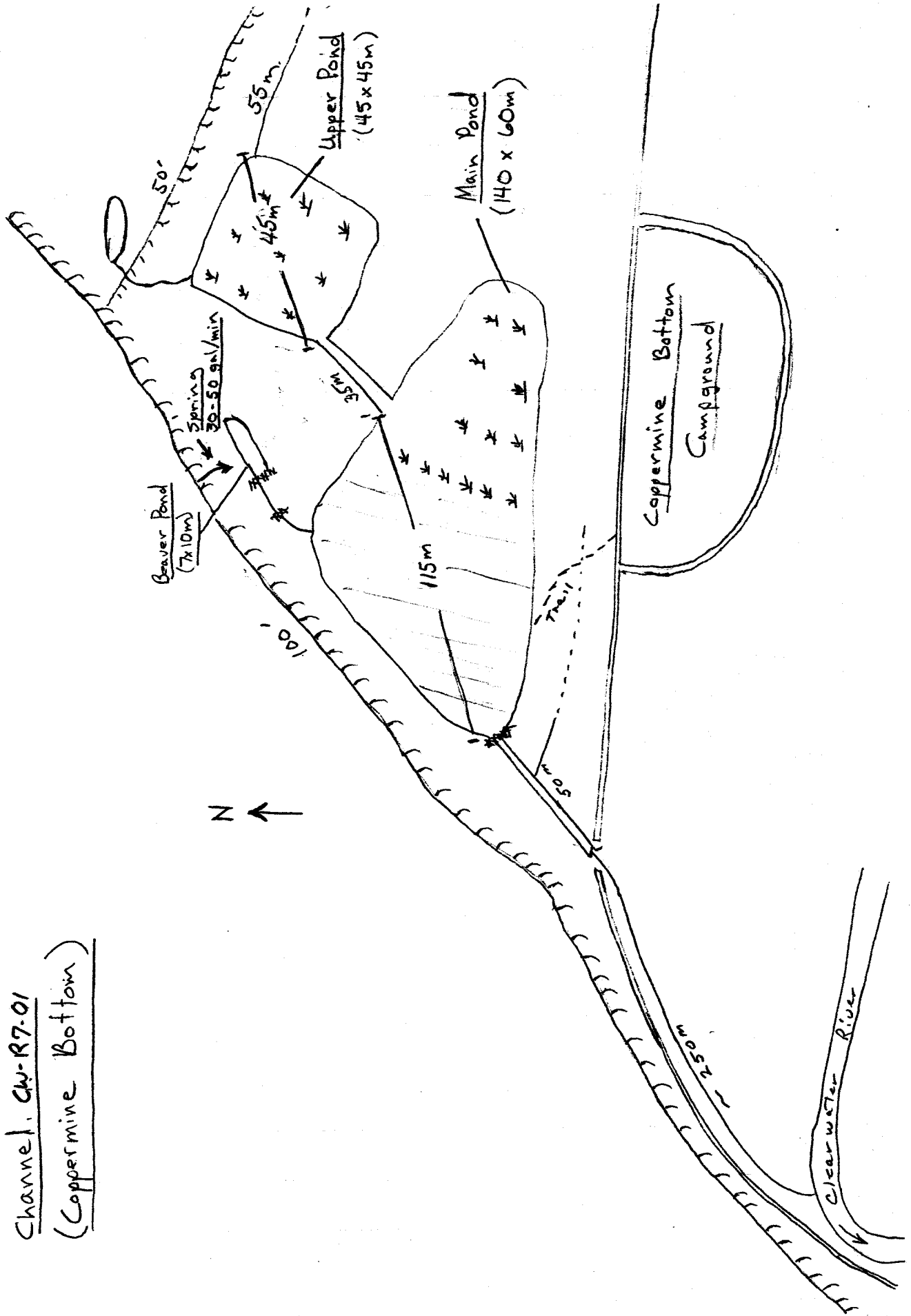
OBSERVER: King, Young, Nettnin

- 1.) The upper pond main outlet was impassable due to a beaver dam. Most of the flow from this pond was running out the alternate outlet near the terrace wall. This needs an engineering survey to determine the feasibility of routing all the spring water into the upper pond and deepening. The main outlet needs to be made passable so that this is the only egress from this upper pond.

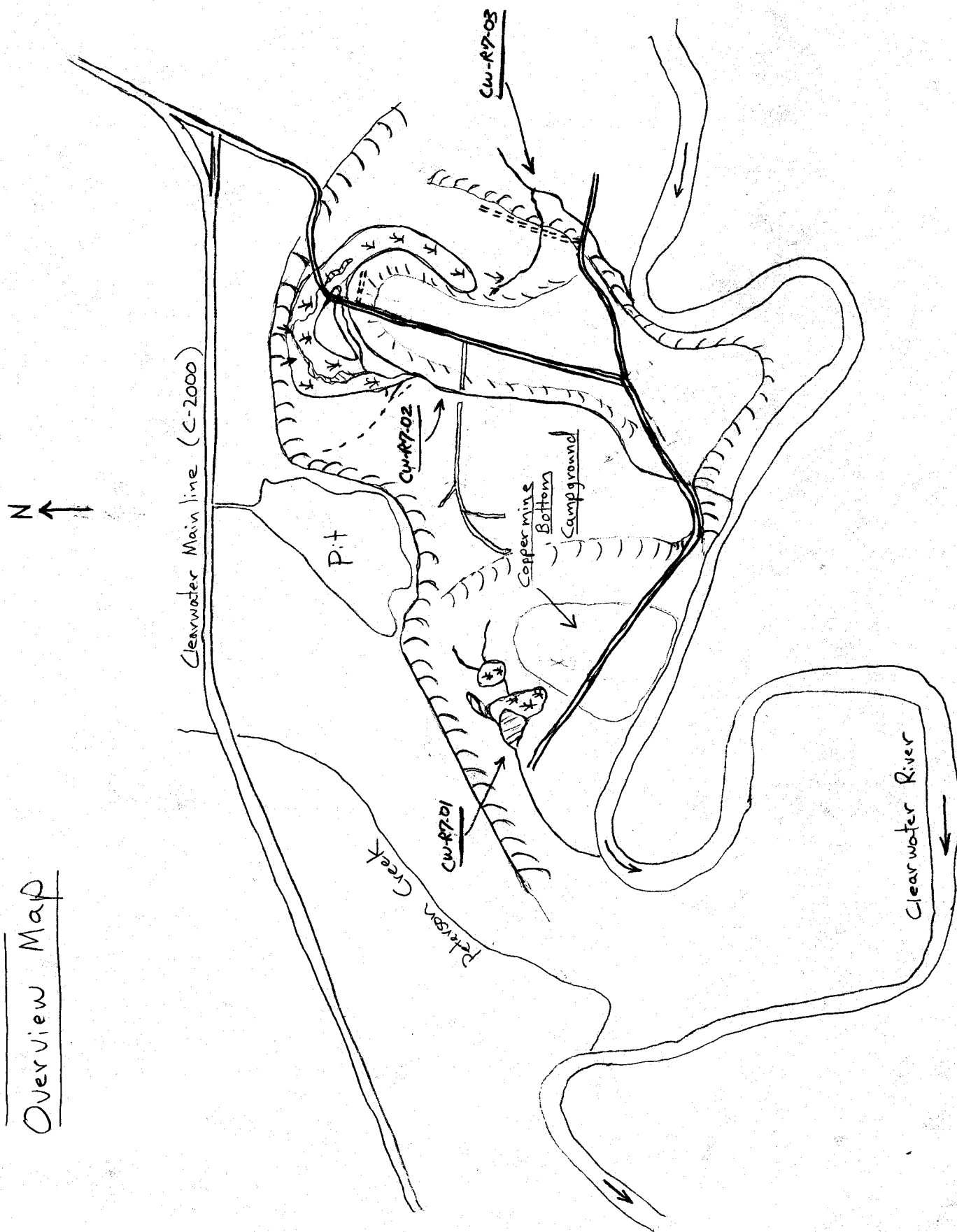
Clearwater River

Site: CW-R7

Channel, CW-R7-01
(Coppermine Bottom)



Clearwater River
Site: CW-R7
Overview Map



Clearwater River

Site: *CW-R7*

5281

40'

T. 25 N.

5278

11 MI. TO U.S. 101

(D)

